

TECHNICAL BULLETIN

Ref Document No.	TB15002	Issue No.	1
Subject	Accelerator pedal position sensor - Mechanical upgrade		
Release Date	12/03/15		

Purpose

To advise COALTRAM® owners of;

1. An accelerator pedal position sensor mechanical upgrade.
2. Relocation and over-moulding of the sensor's electrical connection.

Applicability

Applies to all COALTRAM® vehicles

Background

An FMEA was undertaken by PPK regarding the accelerator pedal position sensor and its electrical connection. The intention was to improve reliability. Two of the outcomes were to investigate the relocation of the sensor connections, and to improve moisture ingress protection.

Findings

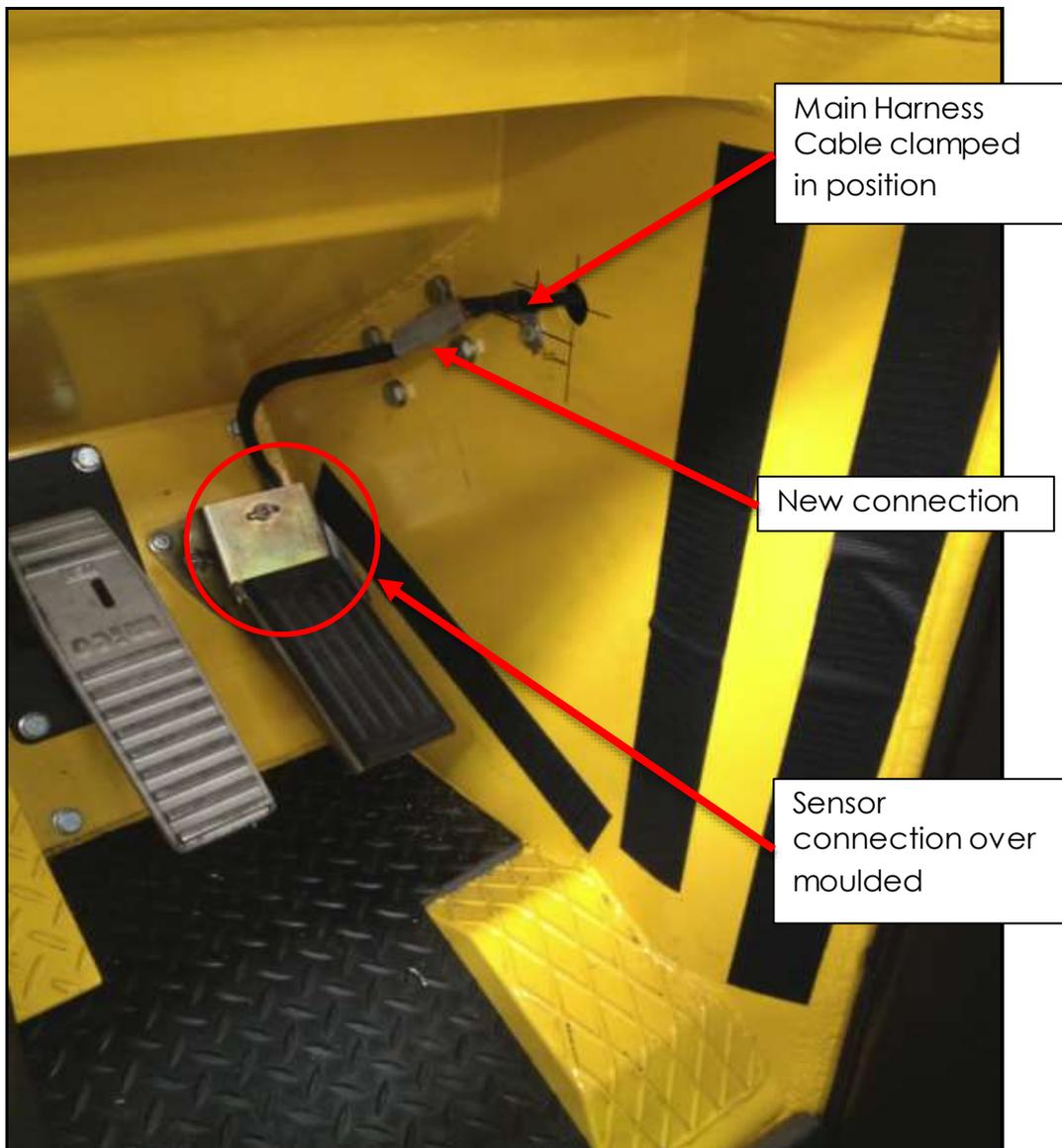
PPK identified that the current location of the sensor's electrical connection would be frequently subjected to water and other contaminants.

To achieve the outcomes from the FMEA, PPK's new accelerator pedal position sensor will be supplied with a 600mm cable extension. The sensor's existing electrical connection will be over-moulded to fully encapsulate the connection.

The sensor's 600mm cable extension, will be connected to the main harness at a higher point in the cabin foot well. The new connection will also be located behind sound suppression padding when installed.

The new connection can be seen in figure 1.0 below:

Figure 1.0.



Recommendations

PPK recommends ALL COALTRAM® owners / end users immediately implement the accelerator pedal position sensor – mechanical upgrade.

Michael Kearsy
Engine Management Systems – Manager

PPK Mining Equipment Pty Ltd
T: +612 4964 5400
E: m.kearsey@ppkgroup.com.au
www.ppkgroup.com.au